

FIG. 1

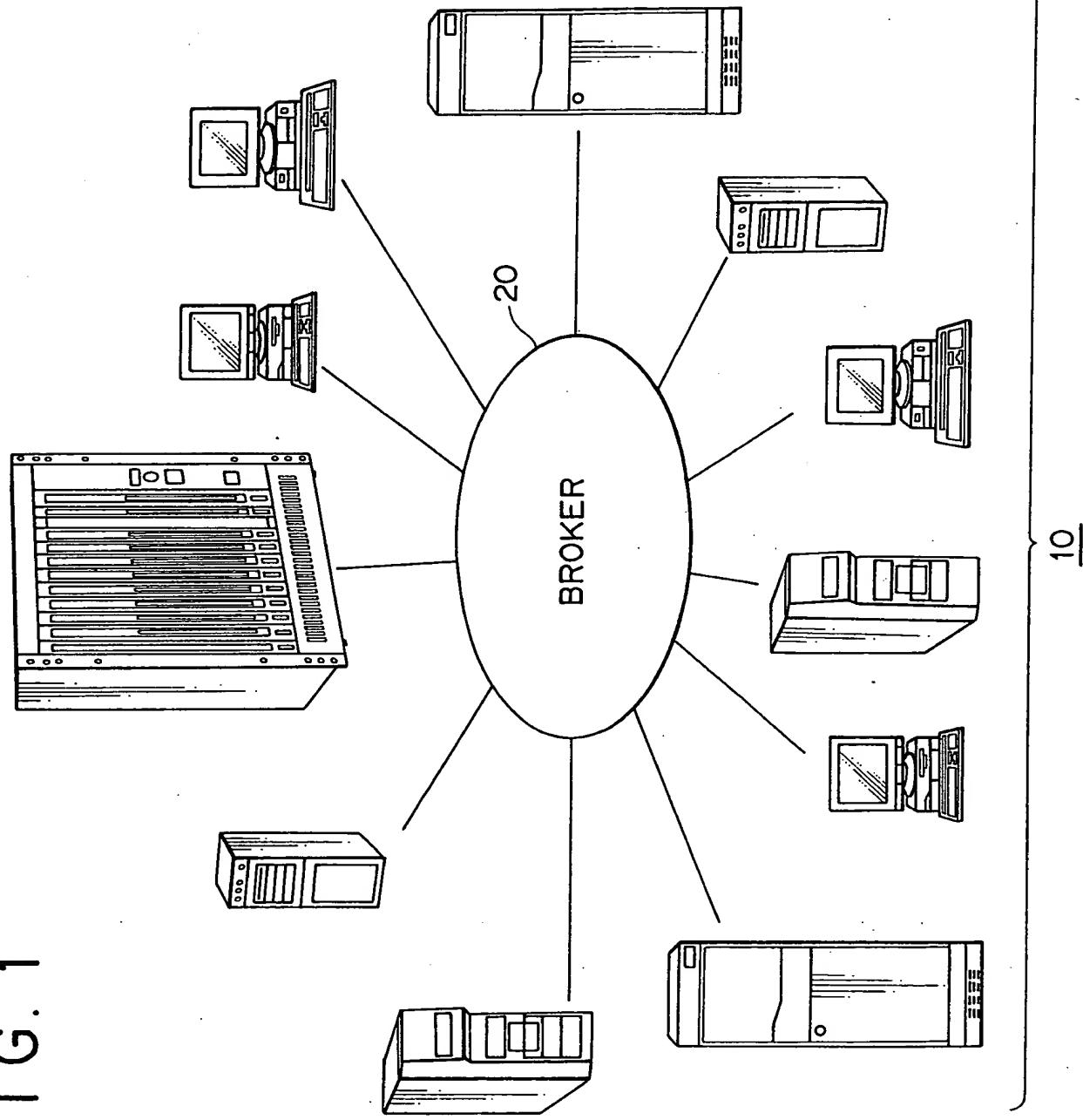
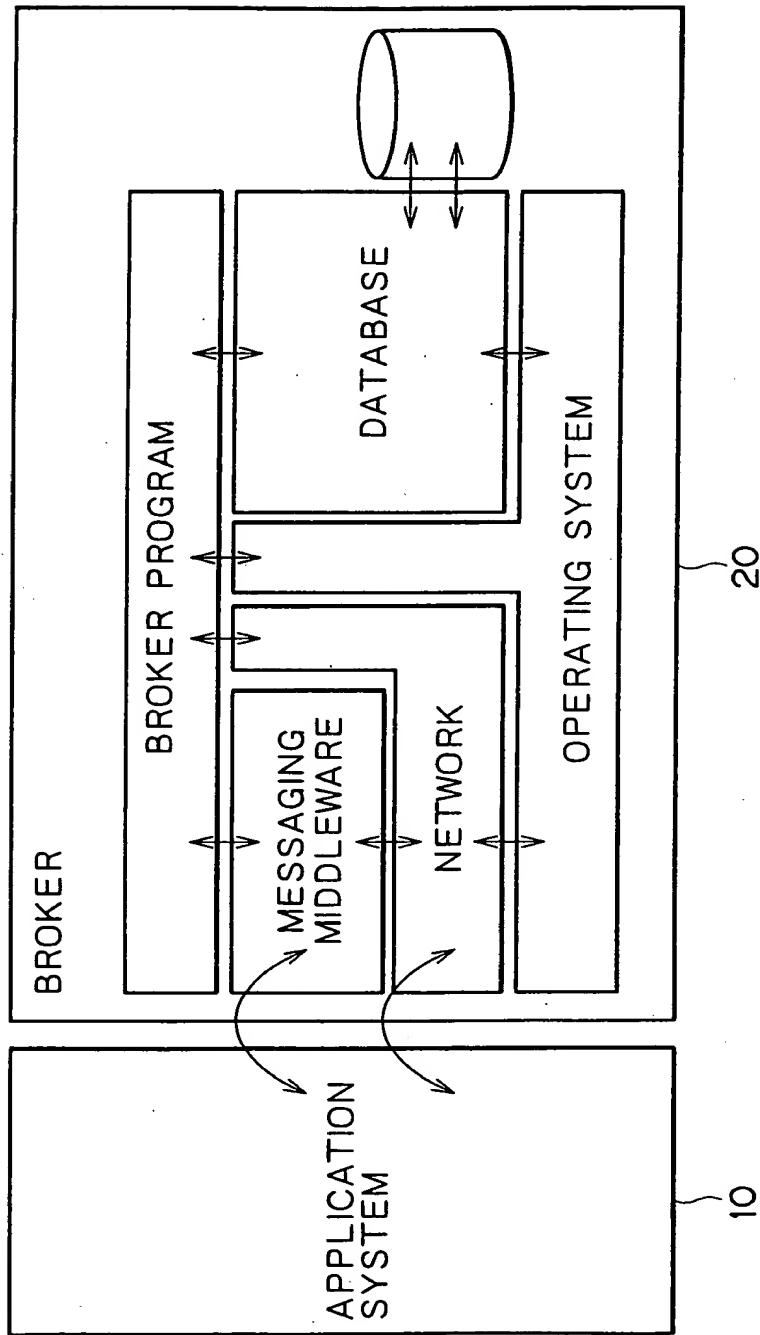
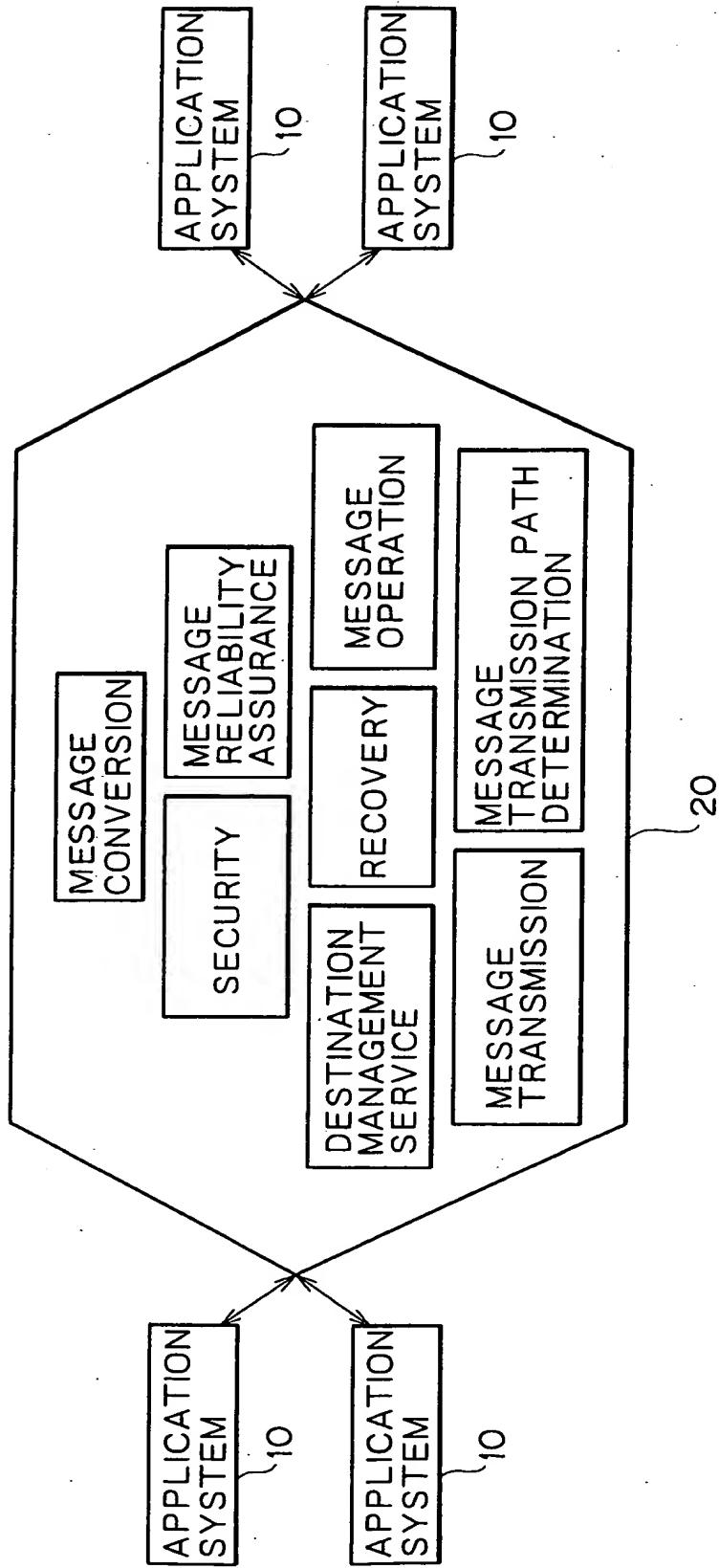


FIG. 2



F | G. 3



MESSAGE TRANSMISSION  
ASYNCHRONOUS MESSAGE TRANSMISSION  
SYNCHRONOUS MESSAGE TRANSMISSION  
BULK DATA TRANSMISSION

MESSAGE TRANSMISSION PATH DETERMINATION  
DELIVERY BY DESTINATION  
MESSAGE SEQUENCE RETENTION  
MULTIPLE DESTINATIONS  
PUBLICATION/SUBSCRIPTION  
WORK FLOW  
MESSAGE TRANSLATION SUPPORT  
DELIVERY BY CONTENT

DESTINATION MANAGEMENT SERVICE  
DESTINATION MANAGEMENT SERVICE

MESSAGE RELIABILITY ASSURANCE  
NOTIFICATION  
TRANSACTION STATUS MANAGEMENT

MESSAGE OPERATION  
PRIORITY SEQUENCE  
TIME-DESIGNATED TRANSMISSION  
COMPRESSION  
APPLICATION ACTIVATION  
LOAD DISTRIBUTION  
COMMUNICATION STATUS CHECK  
GROUPING  
PERIOD OF VALIDITY  
COMMIT / ROLLBACK

MESSAGE CONVERSION  
CHARACTER CODE CONVERSION  
MESSAGE TRANSFER  
LAYOUT CONVERSION

SECURITY  
VERIFICATION  
AUTHORIZATION  
ENCRYPTION

RECOVERY  
EVENT HISTORY RETENTION  
EVENT NOTIFICATION  
MESSAGE HISTORY RETENTION  
MONITORING  
AUTOMATIC MESSAGE RETRANSMISSION

FIG. 5

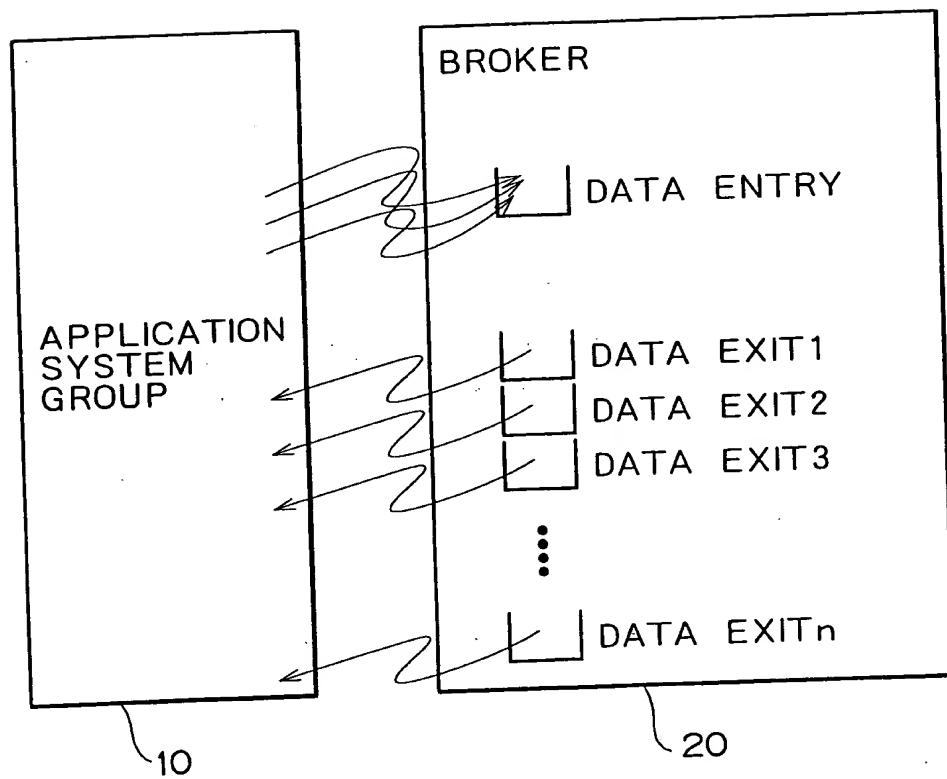


FIG. 6

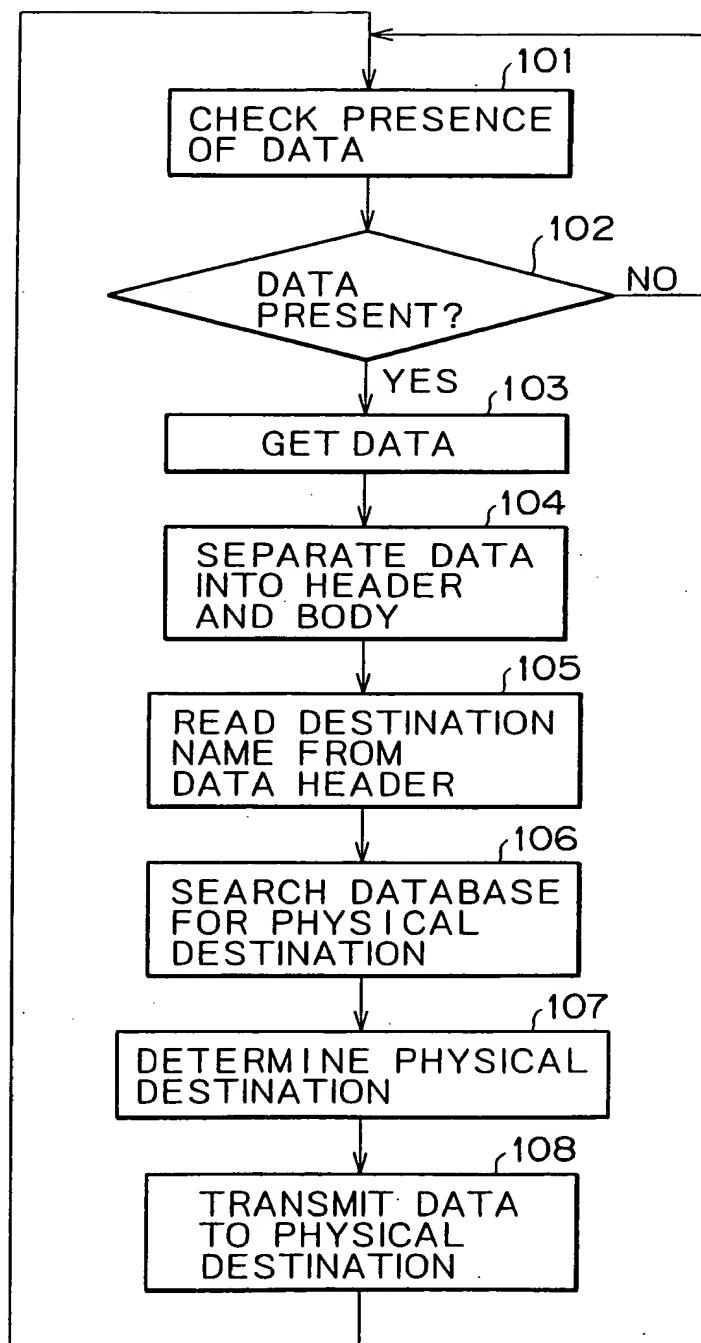


FIG. 7

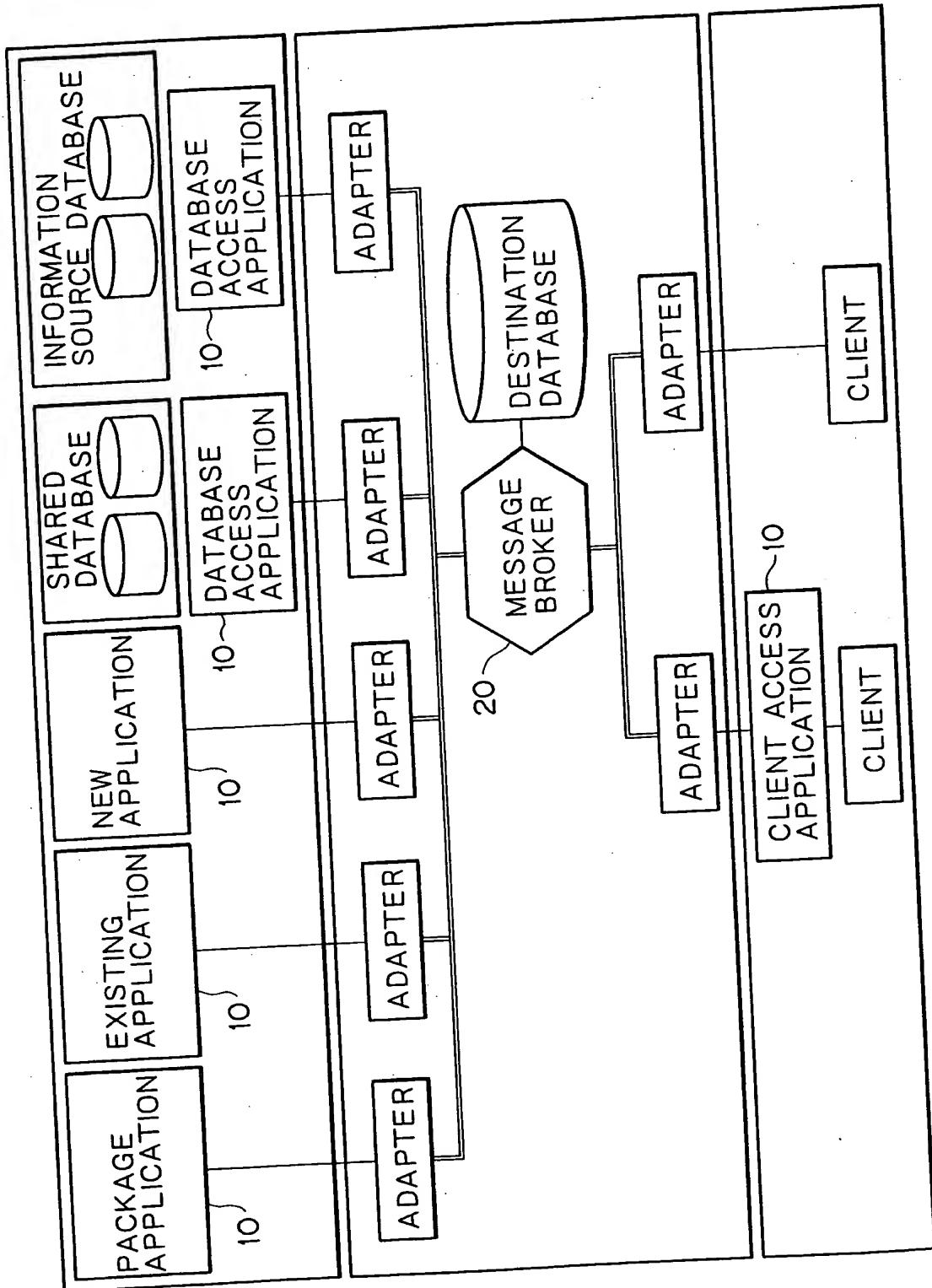


FIG. 8

